

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13621 - L2 Version 1
Chandra X-Ray Center

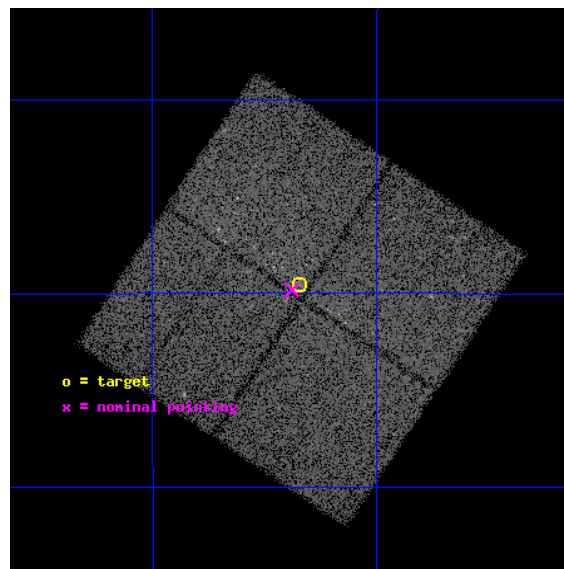
L2 Processing Date : Jul 1 2012

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1 Front

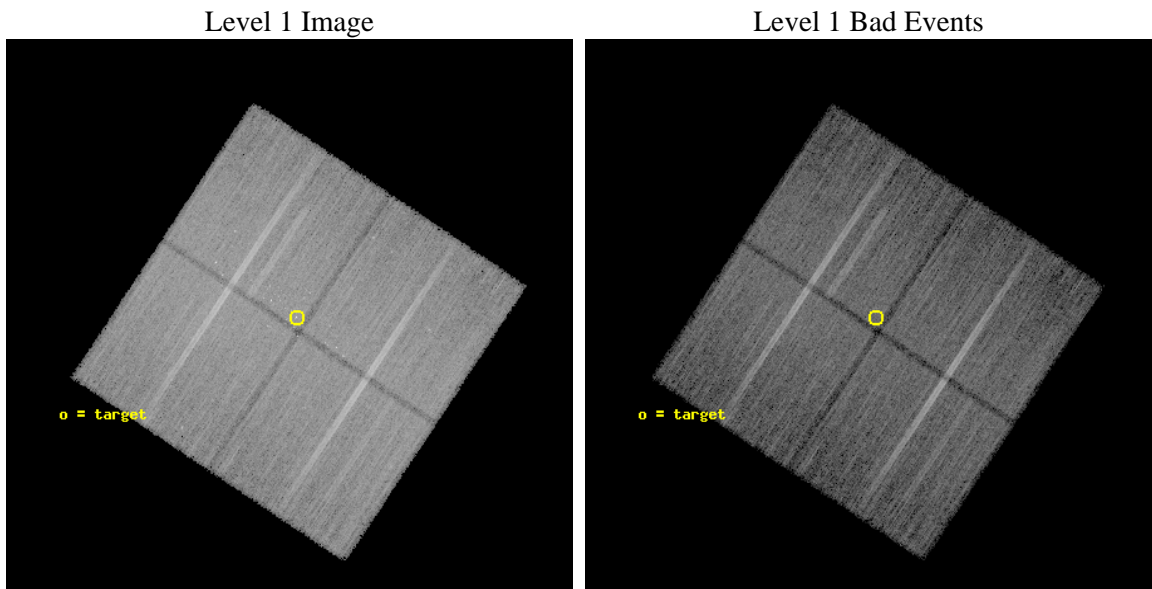
seq_num	200775	Sequence number
obs_id	13621	Observation id
title	A Chandra View of the RCW120 Bubble	Proposal title
observer	Dr. Konstantin Getman	Principal investigator
object	RCW120	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	258.086667	Observer's specified target RA [deg]
dec_targ	-38.491806	Observer's specified target Dec [deg]
ra_nom	258.09469986317	Nominal RA [deg]
dec_nom	-38.496886698958	Nominal Dec [deg]
roll_nom	303.71672990086	Nominal Roll [deg]
revision	1	Processing version of data
ontime	49767.318332076	Sum of GTIs [s]
livetime	49117.071679901	Livetime [s]
ontime0	49767.318332076	Sum of GTIs [s]
ontime1	49767.31834209	Sum of GTIs [s]
ontime2	49767.318362176	Sum of GTIs [s]
ontime3	49767.318332076	Sum of GTIs [s]
l2events	110273	Number of level 2 events



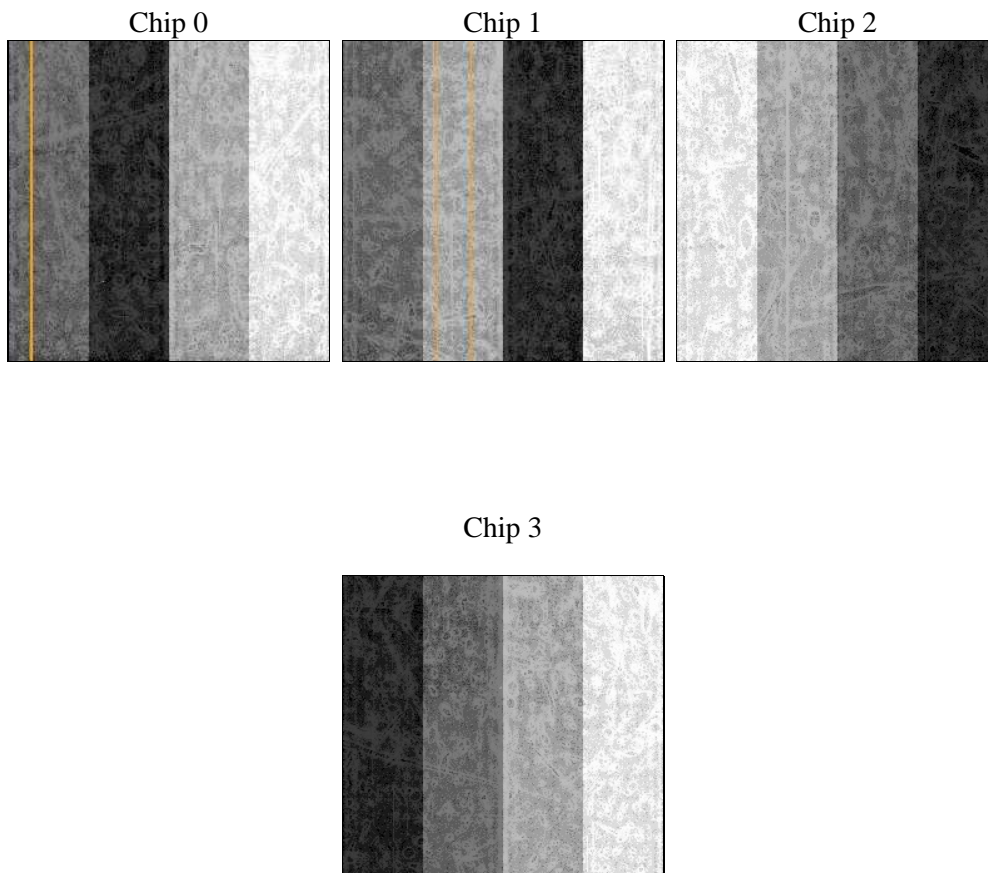
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	49685.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	49767.318332076	Sum of GTIs [s]
caldbver	4.5.0	 	ontime0	49767.318332076	Sum of GTIs [s]
date	2012-07-01T17:09:31	Date and time of file creation	ontime1	49767.31834209	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	49767.318362176	Sum of GTIs [s]
			ontime3	49767.318332076	Sum of GTIs [s]
			l1events	1030134	Number of level 1 events

2.1.4 Events

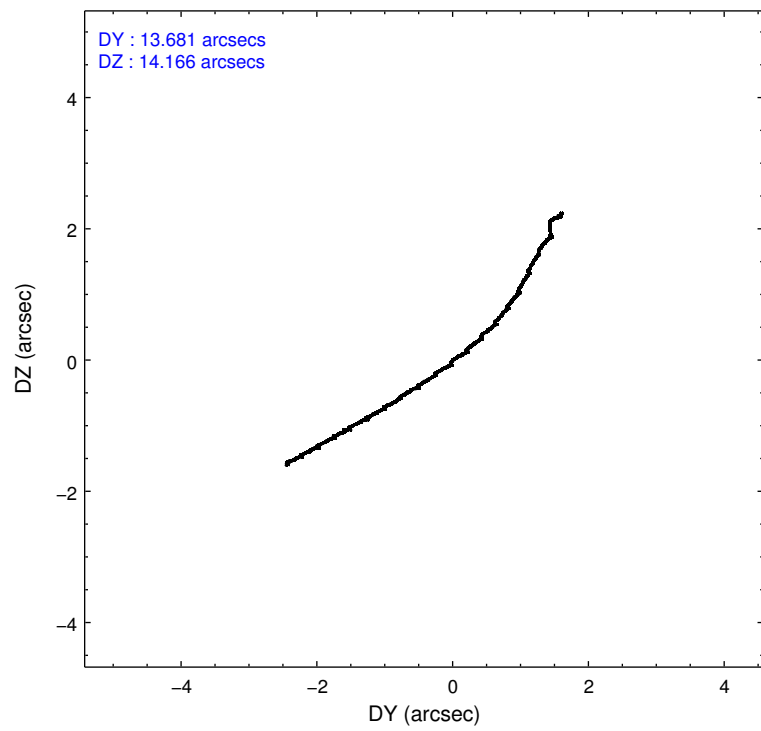
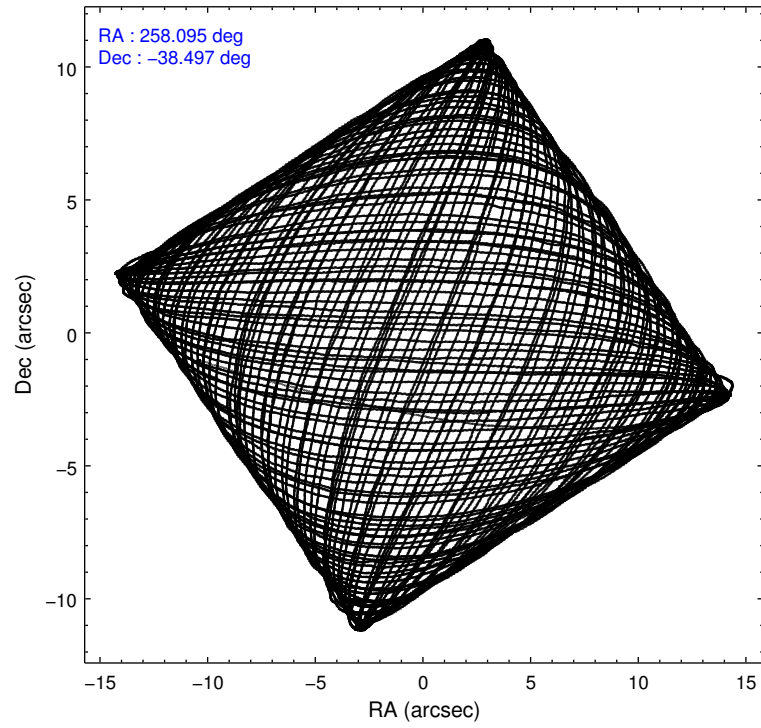
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	246298	248433	269650	265753
rejected events	214050	214405	237824	231720
rejected %	86%	86%	88%	87%

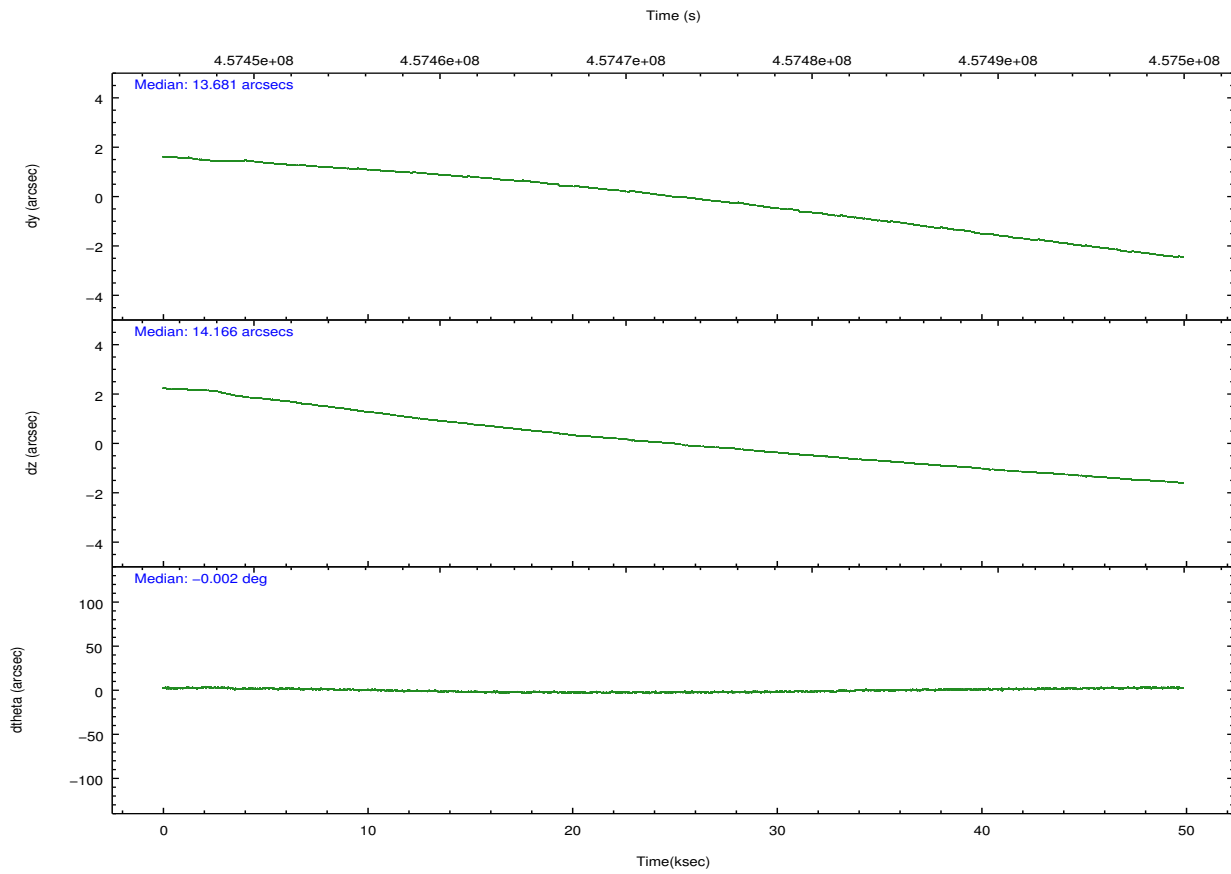
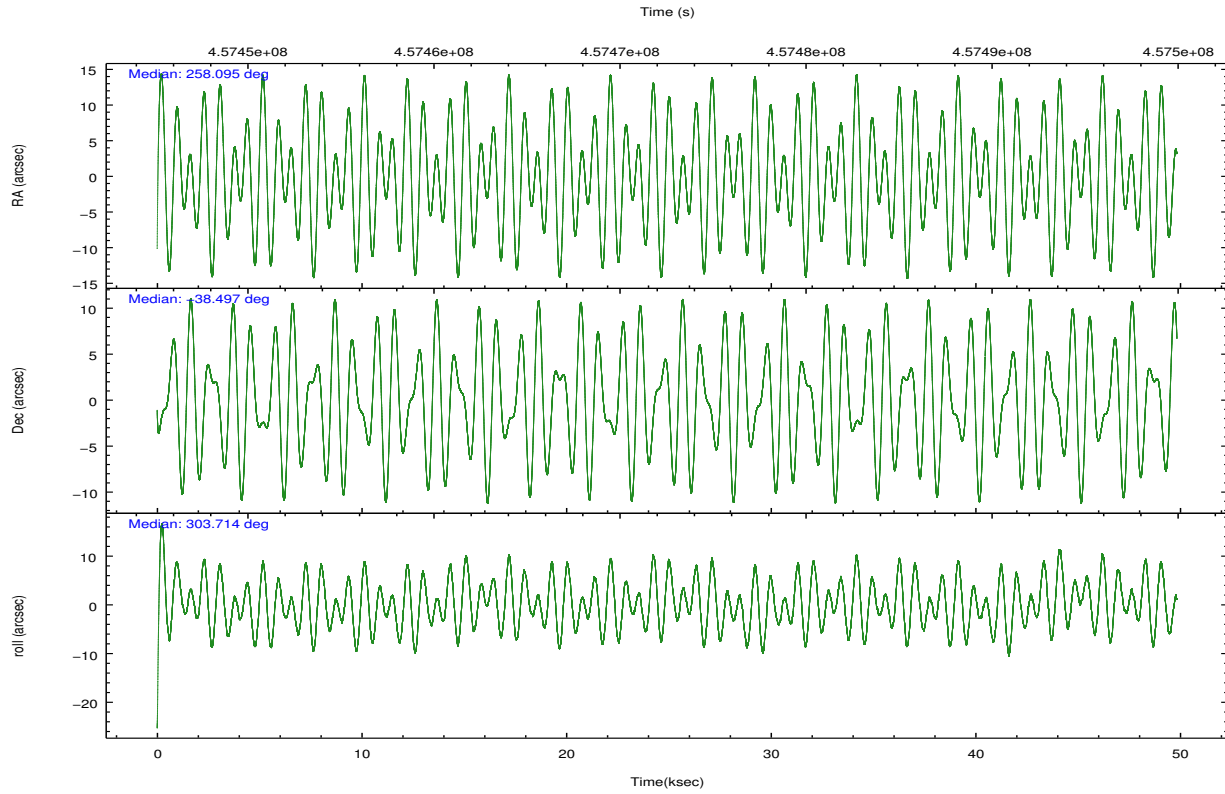
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	12224	12587	12625	14658
	4%	5%	4%	5%
grade 1 events	164	162	154	174
	0%	0%	0%	0%
grade 2 events	7895	7840	7609	6908
	3%	3%	2%	2%
grade 3 events	3221	3394	3010	3255
	1%	1%	1%	1%
grade 4 events	3016	3368	3120	3328
	1%	1%	1%	1%
grade 5 events	10292	11189	9365	11667
	4%	4%	3%	4%
grade 6 events	5894	6839	5463	5891
	2%	2%	2%	2%
grade 7 events	203592	203054	228304	219872
	82%	81%	84%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	258.063132	258.0946998631696	Subarray requested	NONE	NONE
[deg] Pointing Dec	-38.484812	-38.49688669895833	Alternating exposures requested	N	N
[deg] Pointing Roll	303.488406	303.7167299008553	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	457447755.184000	457446519.58664			
Observation start date	2012-06-30T12:48:09	2012-06-30T12:28:39			
[s] Observation end time (MET)	457497441.184000	457498294.90191			
Observation end date	2012-07-01T02:36:14	2012-07-01T02:51:34			
Read mode	TIMED	TIMED			

2.3 Aspect





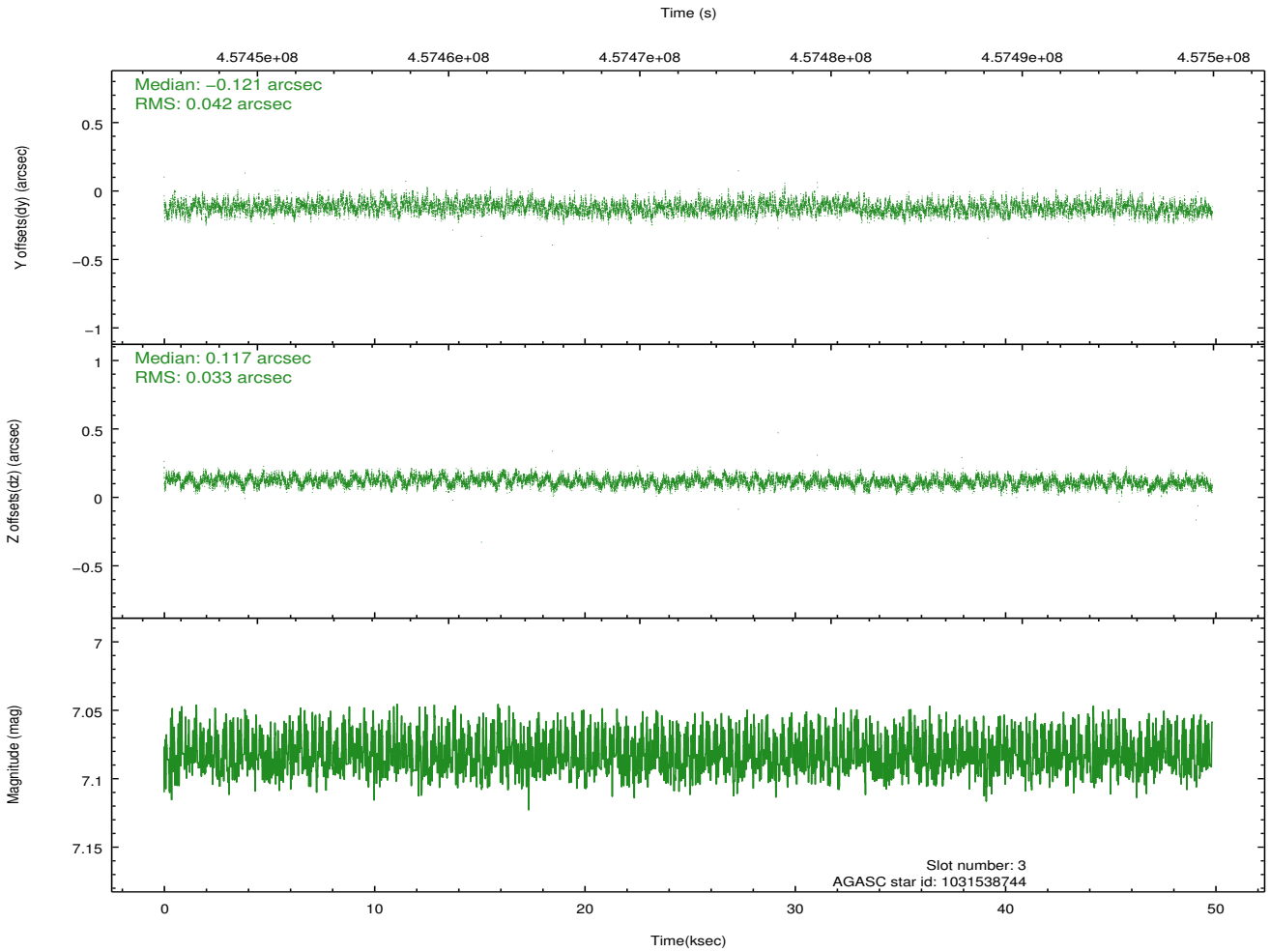
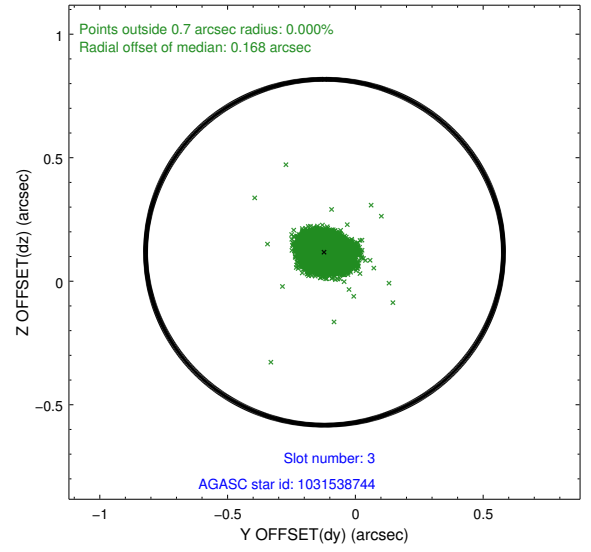
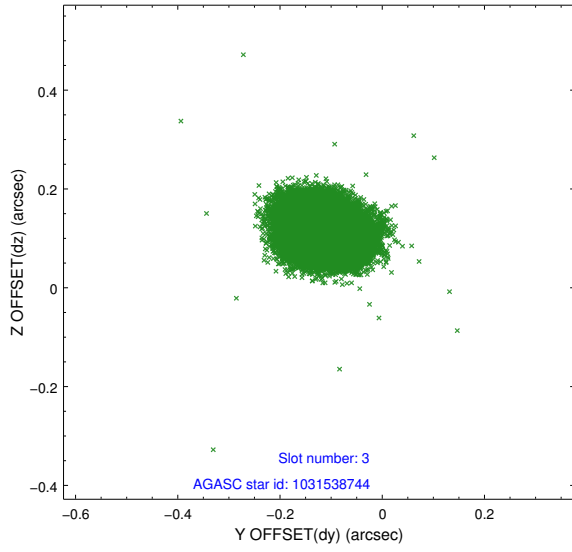
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.08	12155	0.055	-0.003	0.025	0.052	0.000000	0.000000	926.03	-837.87
1	FID	ACIS-I-5	7.08	12155	-0.225	0.058	0.024	0.036	0.000000	0.000000	-1822.37	1059.68
2	FID	ACIS-I-6	7.08	12155	0.080	0.014	0.038	0.047	0.000000	0.000000	391.61	1704.14
3	GUIDE	1031538744	7.08	24310	-0.121	0.117	0.058	0.091	257.905000	-37.853256	-2143.85	879.29
4	GUIDE	1031546704	9.14	24172	0.153	0.070	0.129	0.204	258.328569	-39.071177	2171.18	-546.62
5	GUIDE	1031549032	7.96	24307	-0.007	-0.041	0.082	0.127	258.584727	-38.516573	909.62	1159.93
6	GUIDE	1031540688	7.17	24309	0.101	-0.114	0.093	0.141	258.843021	-38.212972	408.93	2374.57
7	GUIDE	1031549480	7.85	24308	-0.117	-0.042	0.078	0.133	258.859583	-38.394348	976.35	2048.61

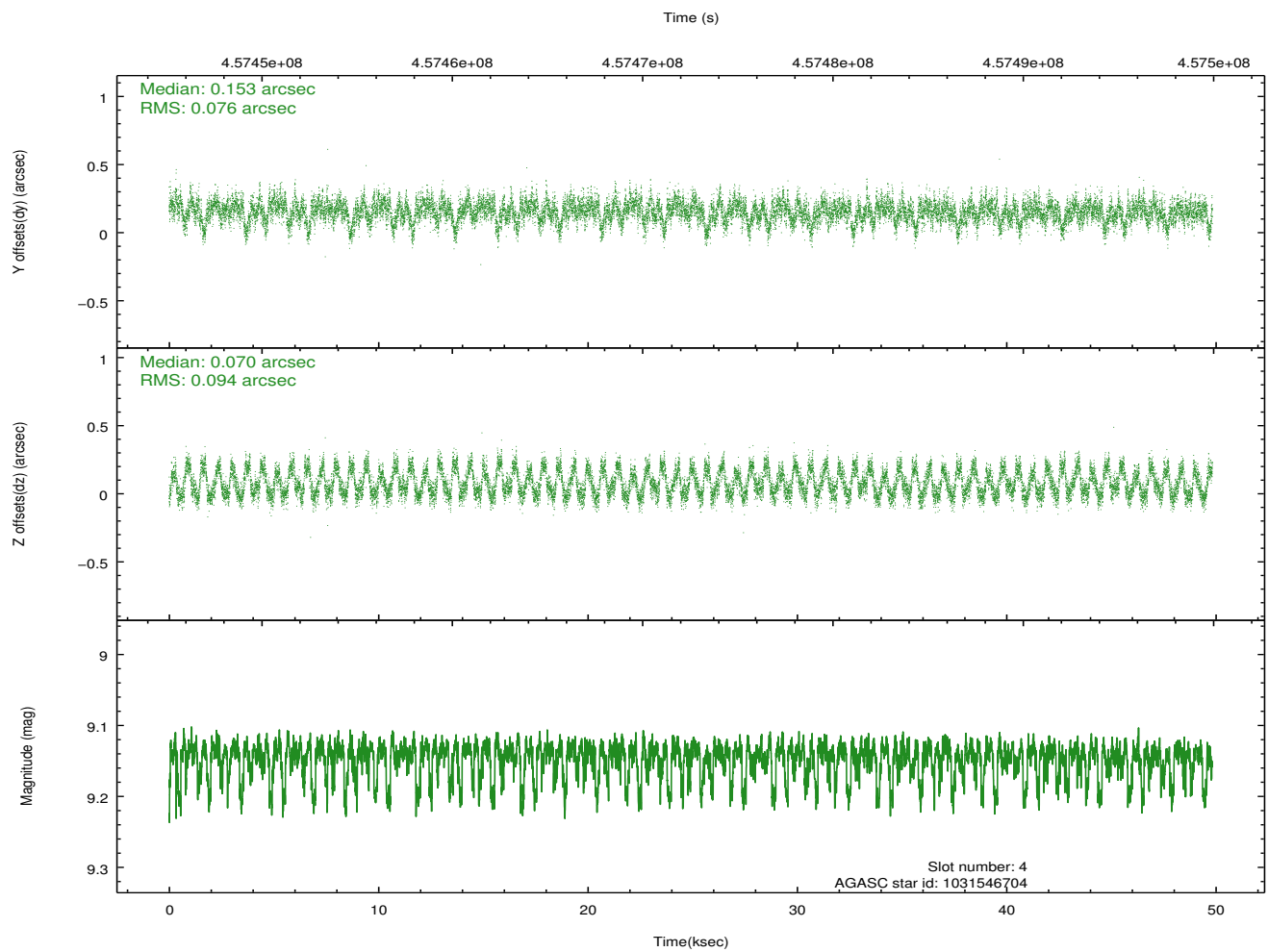
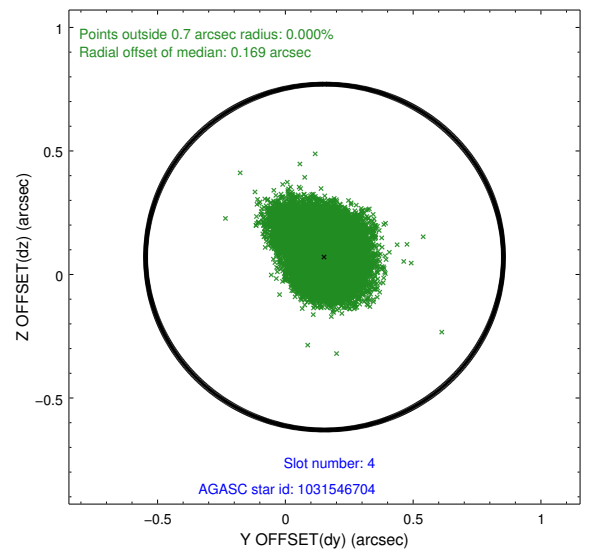
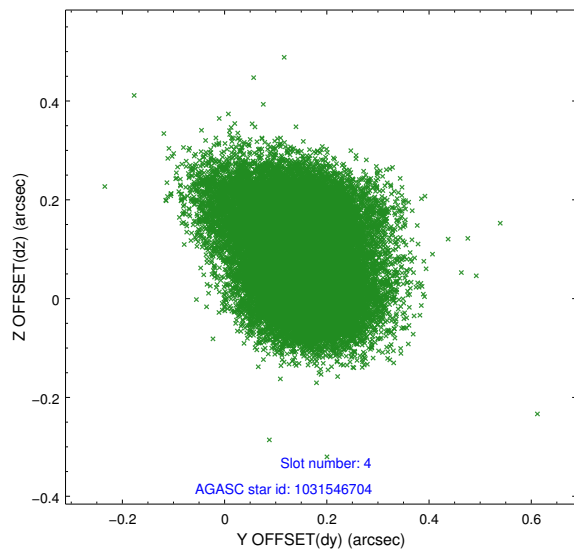
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2.4 Star Slots

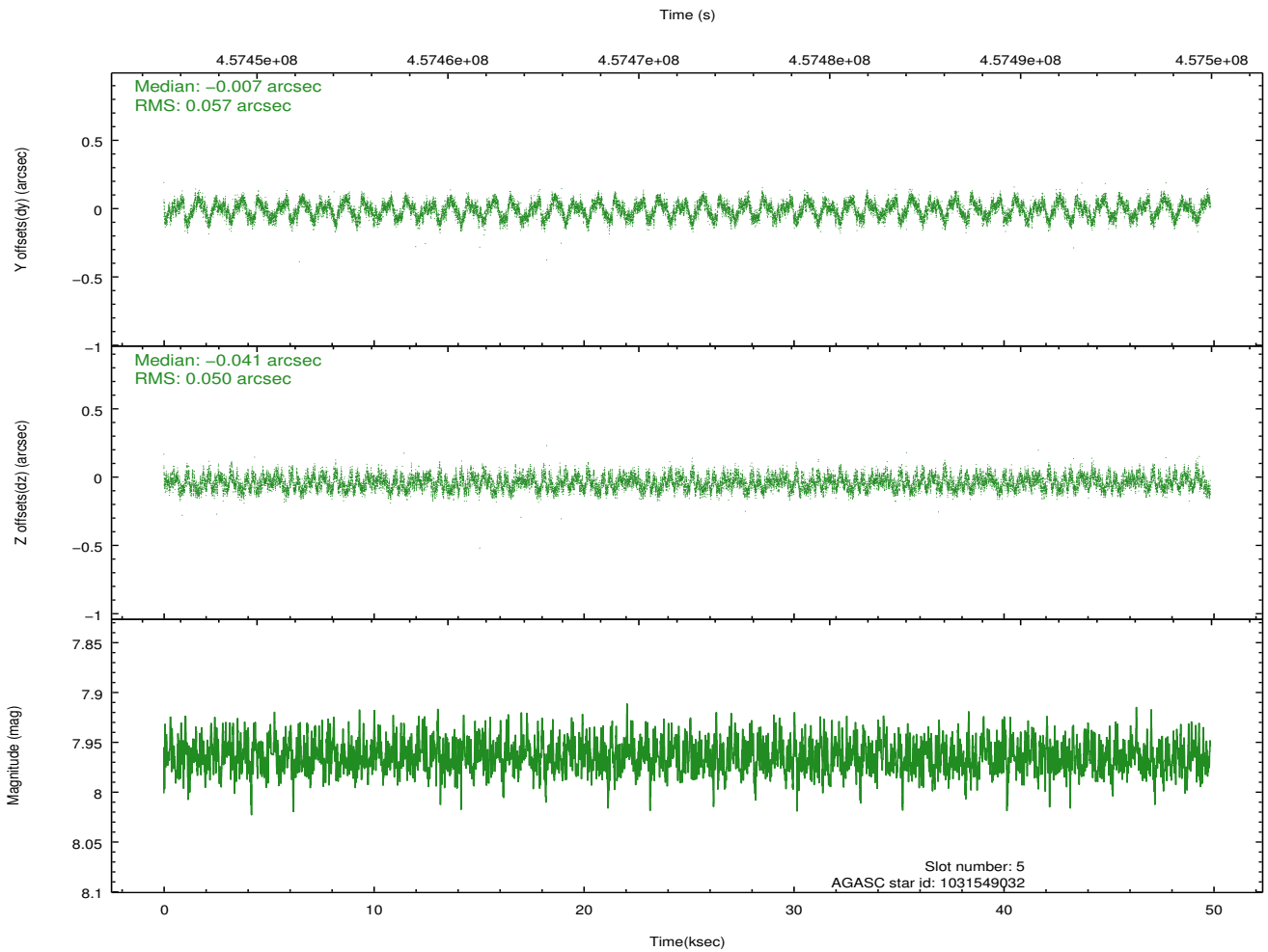
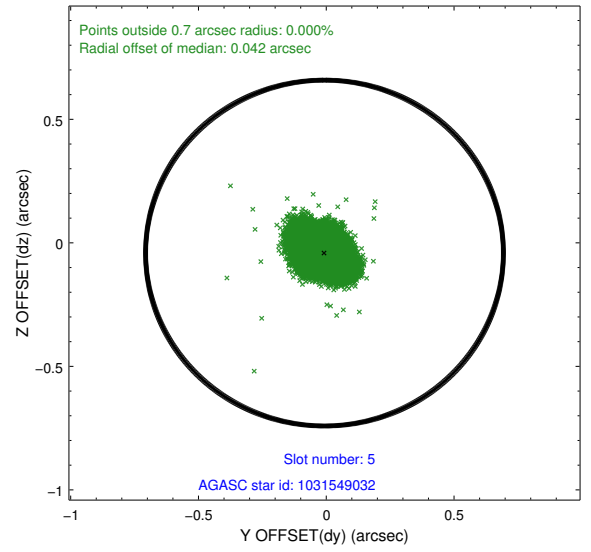
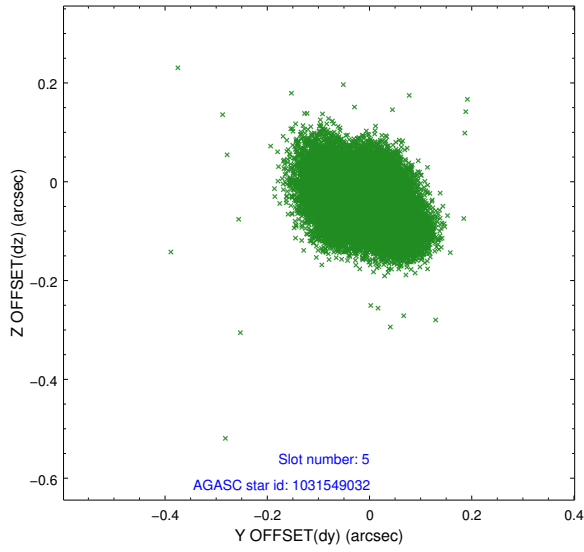
2.4.1 Slot 3



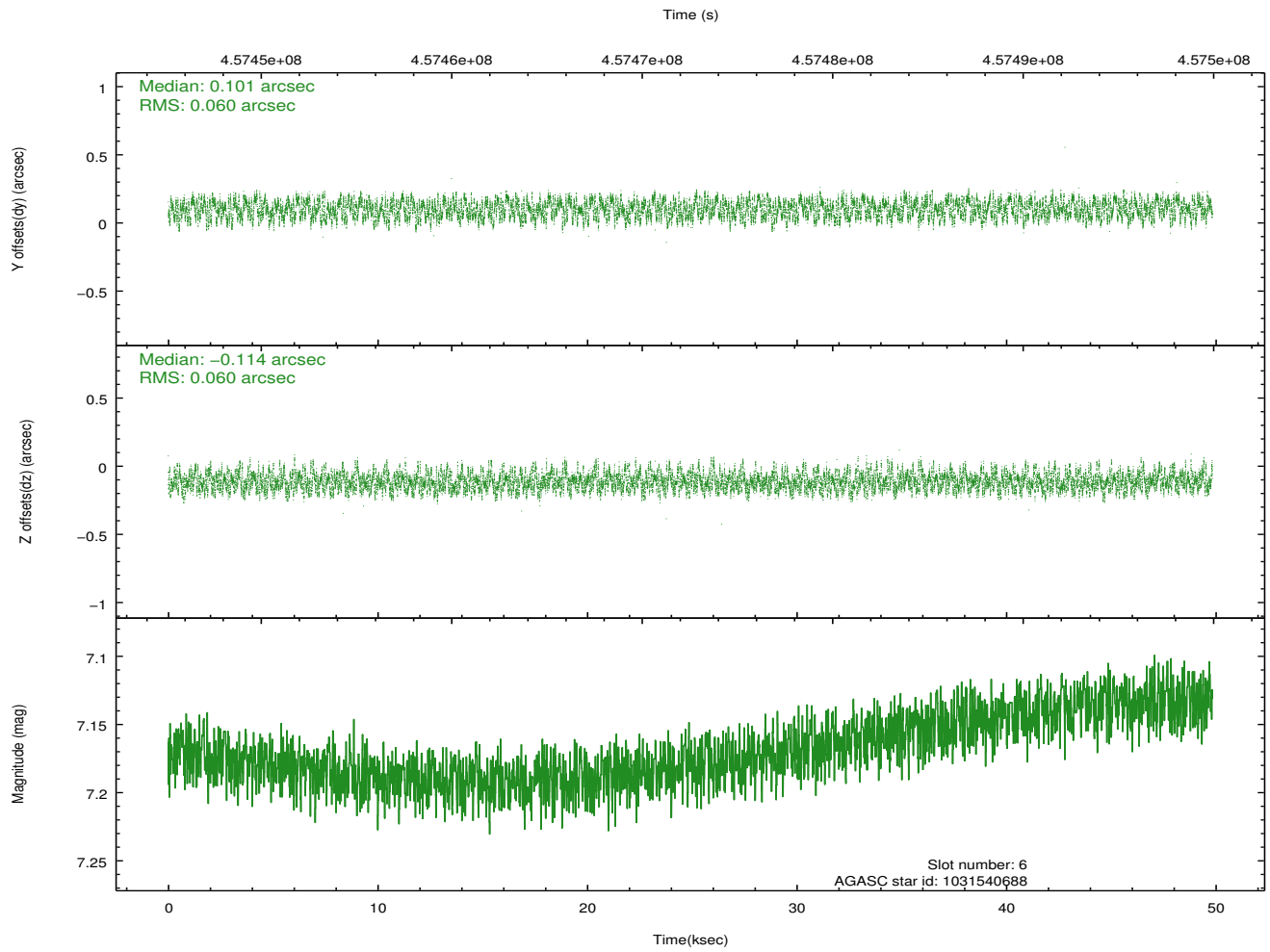
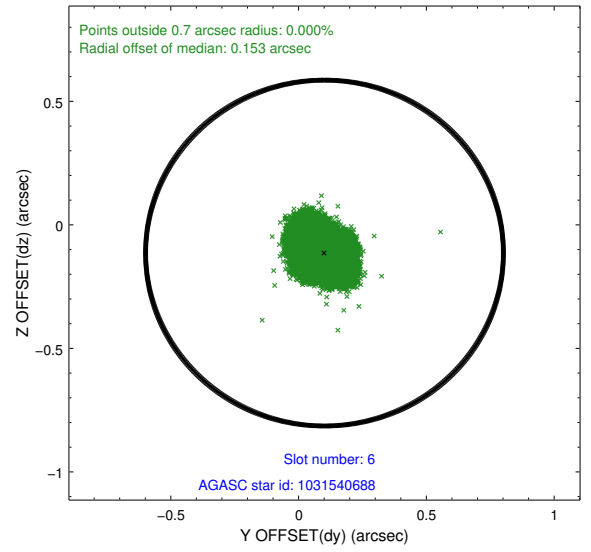
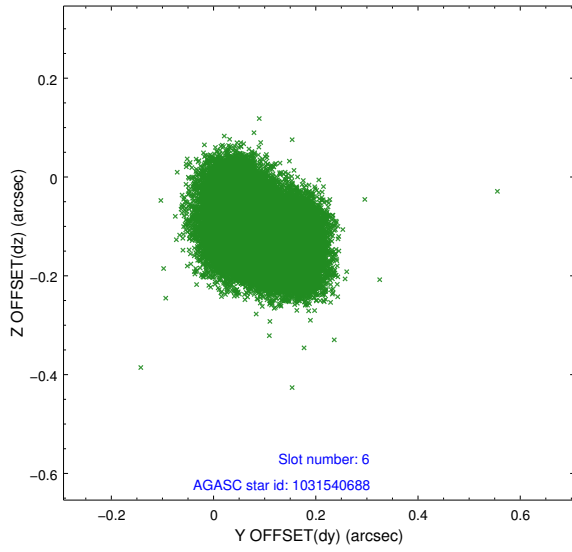
2.4.2 Slot 4



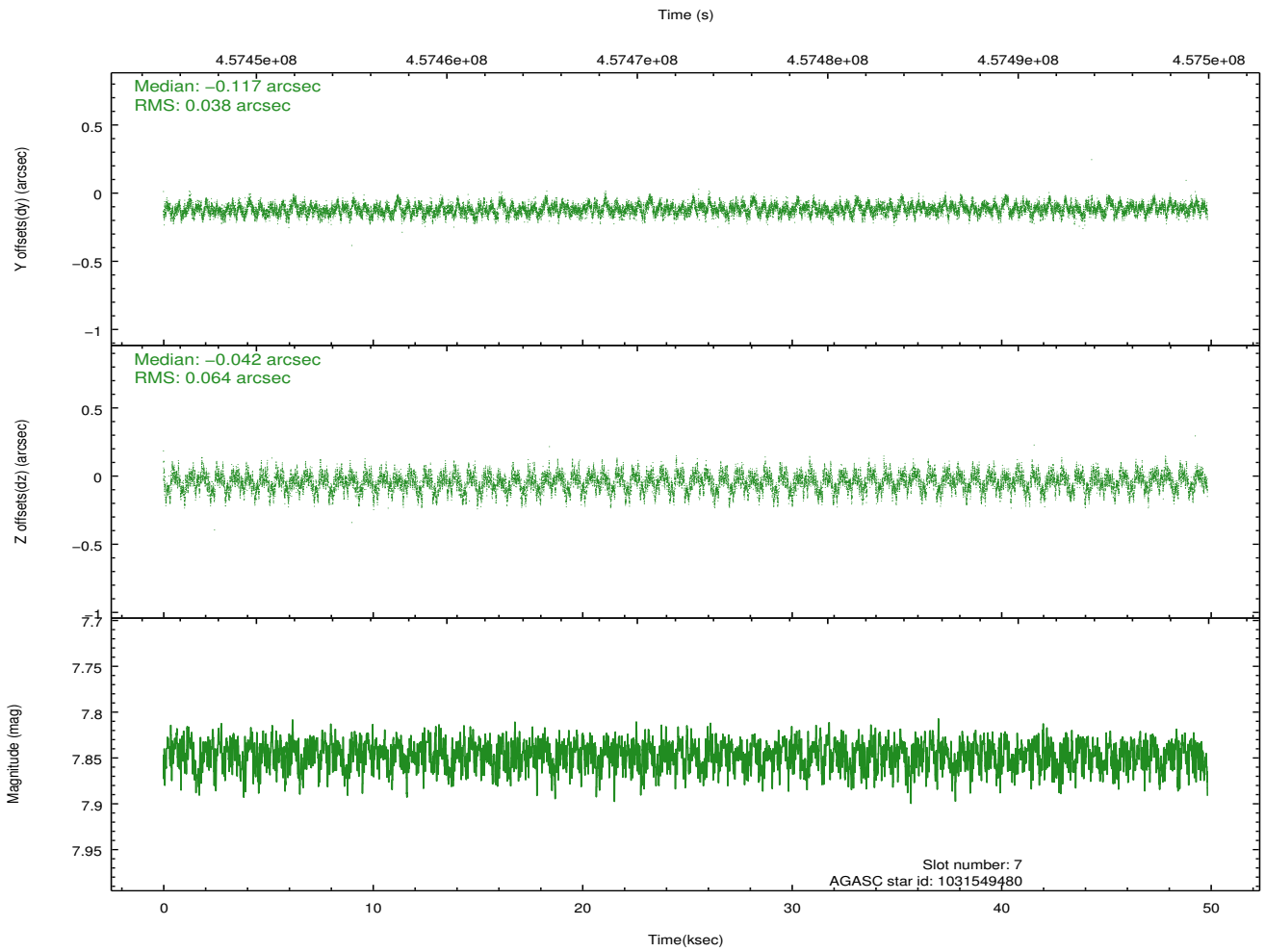
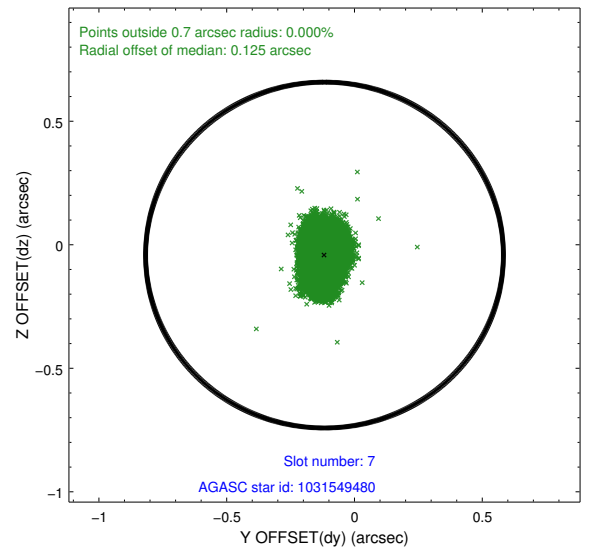
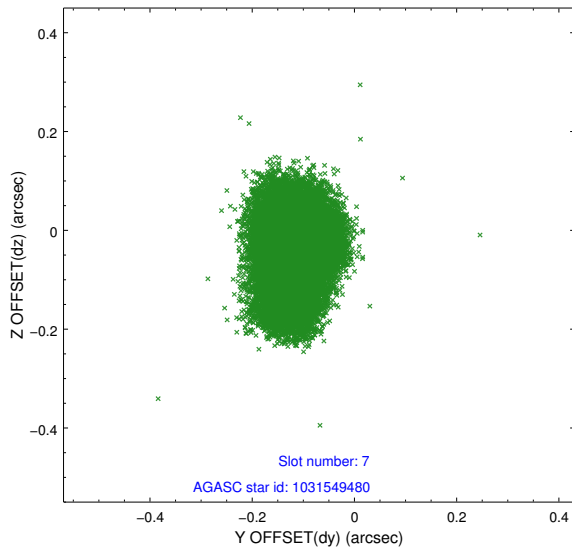
2.4.3 Slot 5



2.4.4 Slot 6

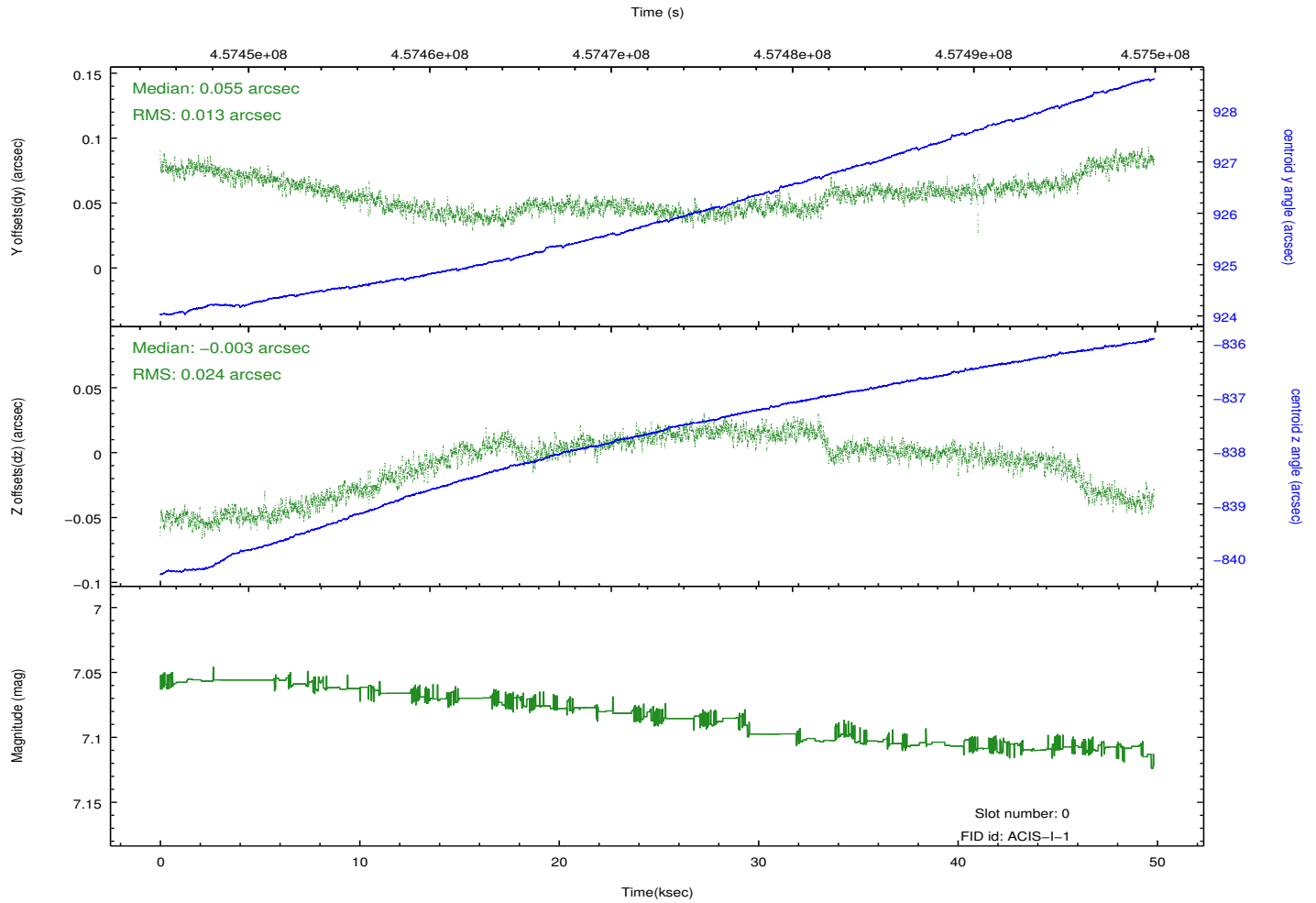
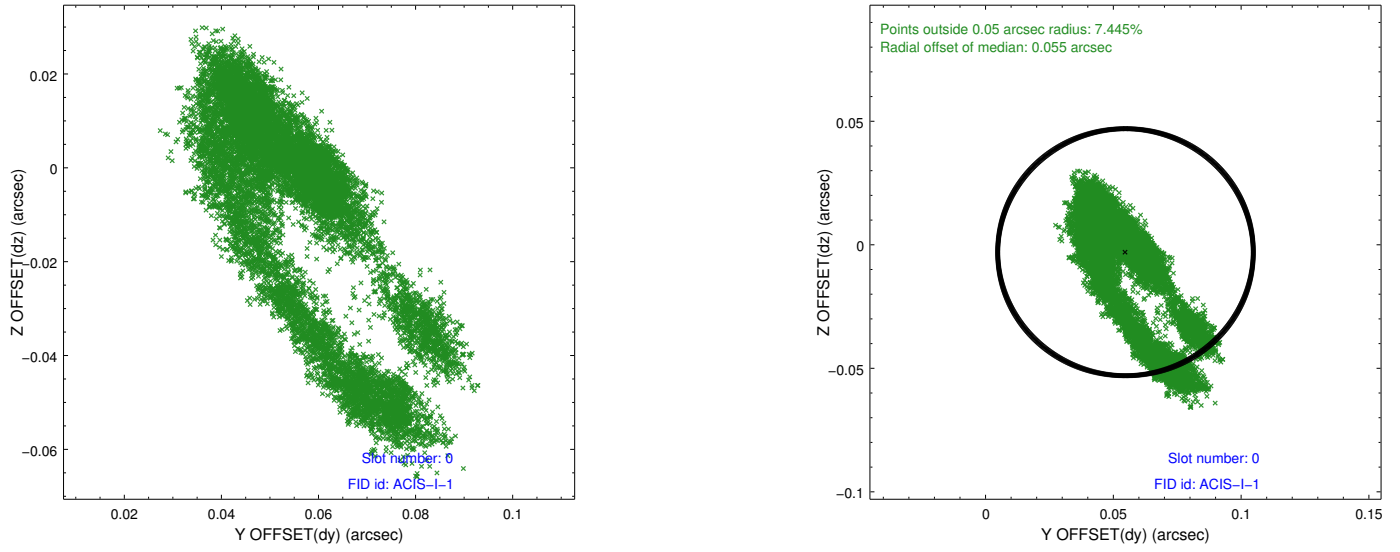


2.4.5 Slot 7

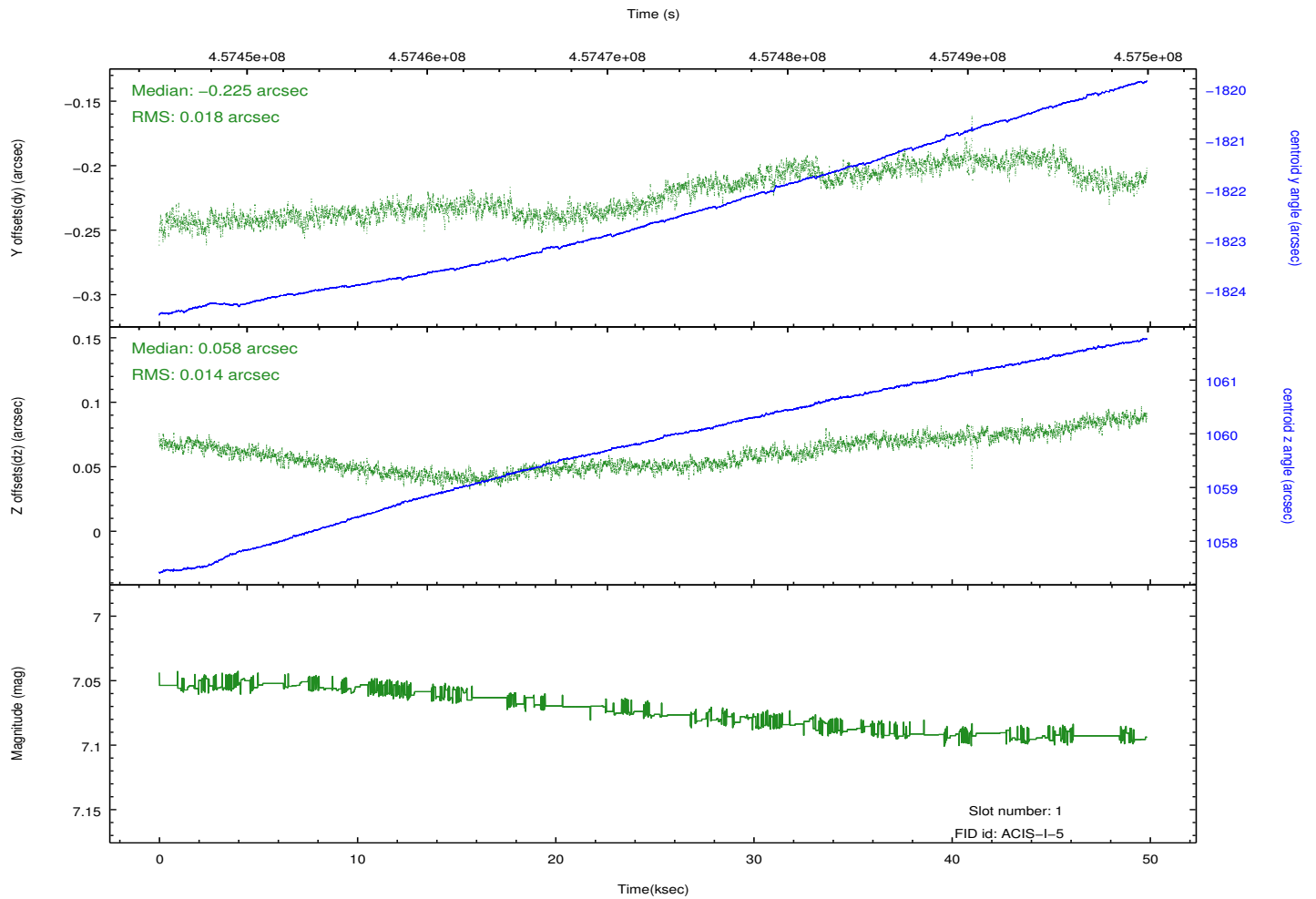
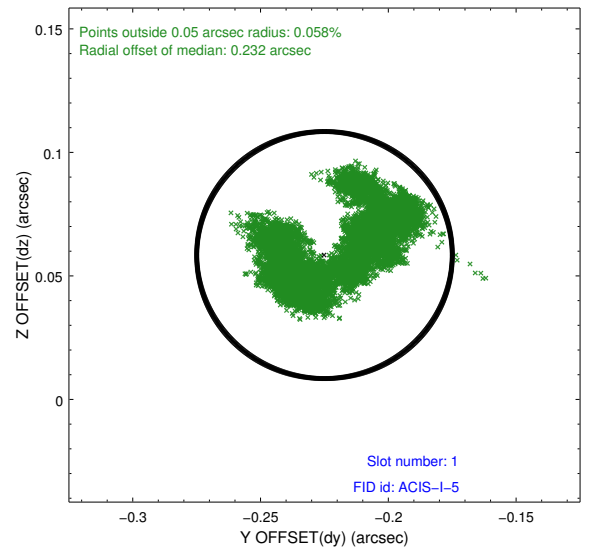
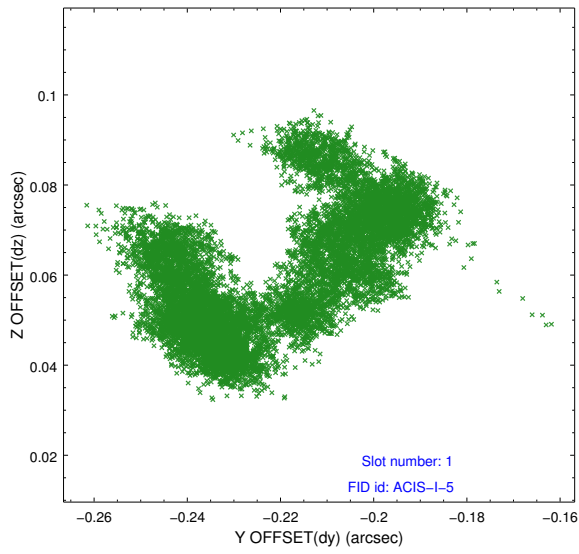


2.5 FID Slots

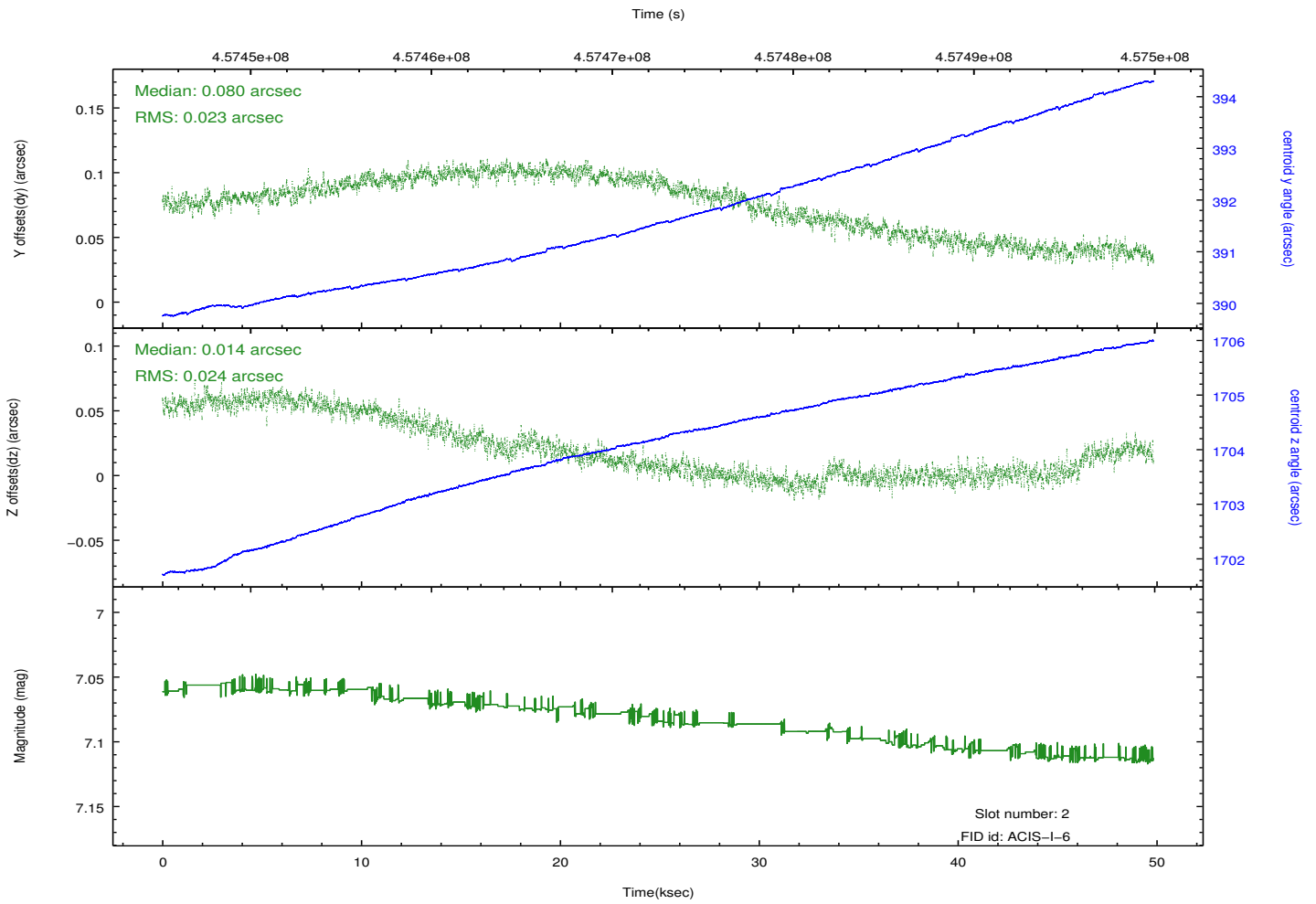
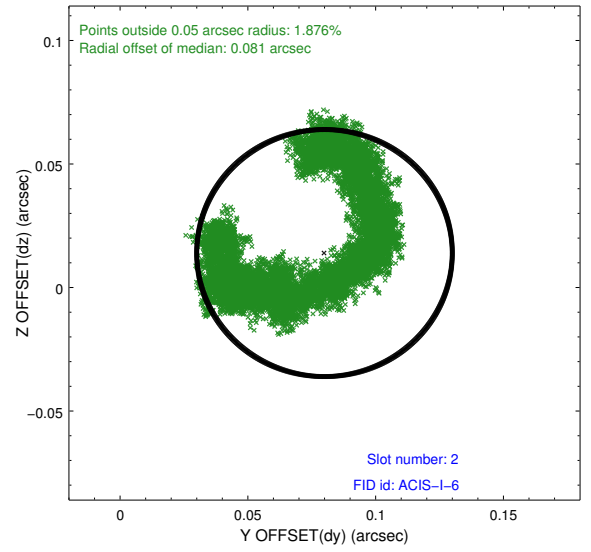
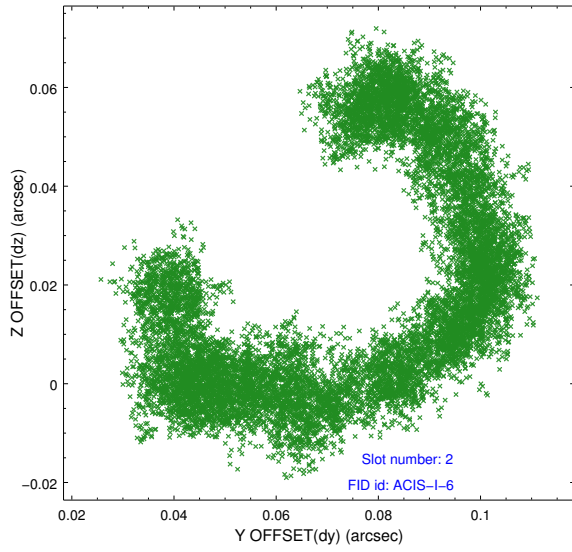
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.07.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.767318332076

A.2 Comments